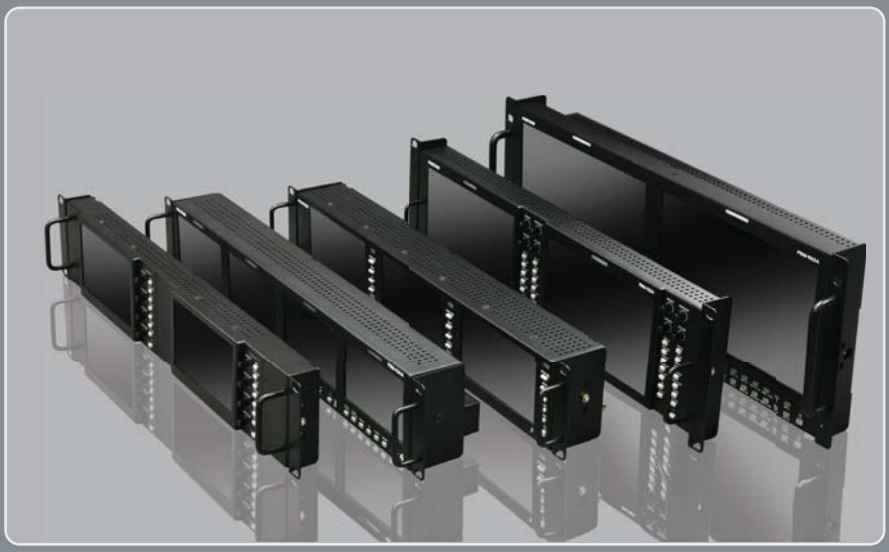
TVLogic®

Multi-Channel LCD Rack Monitor PRM Series



User's Manual

PRM-503A
PRM-483A
PRM-434A

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Warning

- Always use DC 12V power.
- If liquid comes in contact with this product, please disconnect the product immediately and seek professional support before continued use.
- Keep unit disconnected during extended periods of nonuse.
- Keep unit well-ventilated to prevent overheating.
- Do not install the product near any heat-generating equipment. Also, keep the product out of direct sunlight or dusty areas.
- Clean the product with a noncommercial, mild detergents only.
- When transporting the product, make use of its original packaging for safer carriage.

FCC (Federal Communications Commission)

This equipment has been tested and found to comply with the limits for class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

⚠ **Warning!!** : Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packing indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

Features

PRM Series LCD Rack Monitors have the following features:

· **Compatible with varied SDI Signals**
- 480i, 576i, 720p, 1035i, 1080i, 1080p, 1080psf, 2K

· **Compatible with varied Composite Signals**
- NTSC, PAL, SECAM

· **WaveForm/VectorScope/Audio Level Meter**
"Y", "Cb", "Cr" Waveform & Vector Scope available for SDI Signals
16-CH Embedded Audio Level Meter

· **BLUE/MONO**

· **H/V delay**

· **Wide Variety of Markers & Safety Areas**
Center Marker, Safety Area Marker, Aspect Marker, Display Size (Scan)

· **Pixel To Pixel**
Provides both full screen and unscaled native image.

· **Wide Screen/LED Backlight**

· **24Bit RGB Interface Panel**

· **DC Compatible**
The product is powered by standard12V source.

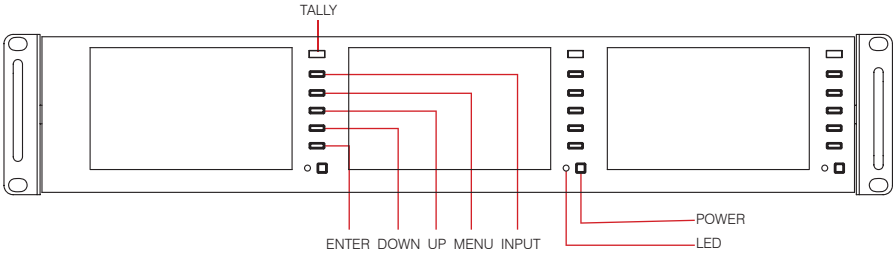
· **Remote control function**
Simple remote controllability with single cable connection, no additional modules required

· **Additional Features**
Active Loop Through/SDI,
PRM-503A - 600:1 contrast ratio and 300 cd/m^2 brightness
PRM-483A - 300:1 contrast ratio and 350 cd/m^2 brightness
PRM-434A - 300:1 contrast ratio and 200 cd/m^2 brightness
OSD user interface

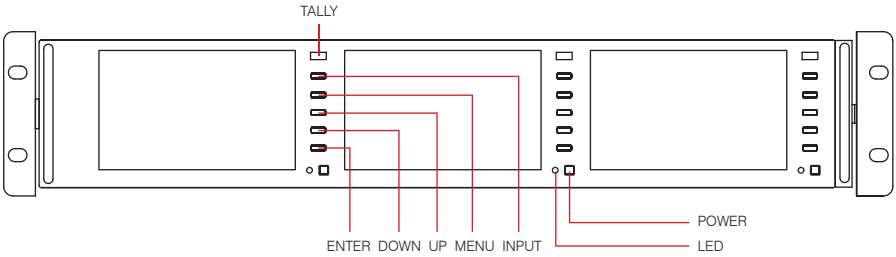
Name & Function of Each Part

<FRONT>

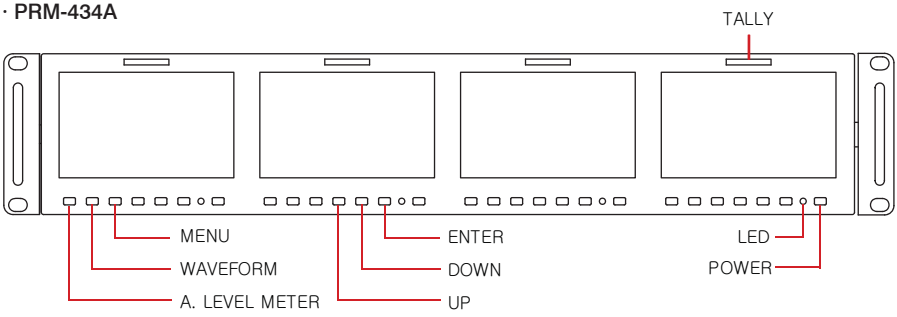
· PRM-503A



· PRM-483A



· PRM-434A



· **[INPUT] button** (*Only in PRM-503A and 483A)
Used to select SDI A / SDI B / COMPOSITE Input (Rotation)

· **[MENU] button**
Used to activate the OSD menu

· **[UP] button**
Used to navigate menu during OSD menu activation. It may also be used to toggle clockwise through 1:1 quadrants in native scan mode.

· **[DOWN] button**
Used to navigate menu during OSD menu activation. It may also be used to toggle counterclock wise through 1:1 quadrants in native scan mode.

· **[ENTER] button**
Used to confirm a chosen value (or mode) within the OSD menu. Also, this can be used to control the position of Waveform in small size.

· **[POWER] button**
Power On/Off button.
If the signal is normal, LED lights in Green. If the signal is unsupported or disconnected, LED flashes in Yellow.

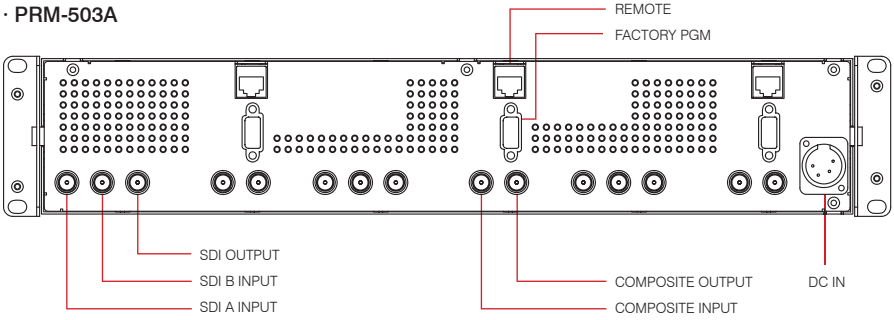
· **TALLY**
LED indicating monitor's current status using optional Remote

· **[AUDIO LEVEL] button** (*Only in PRM-434A)
Used to activate the AUDIO LEVEL METER on the screen. The type of audio level meter at work may be selected on the main menu.
- This is available only SDI input

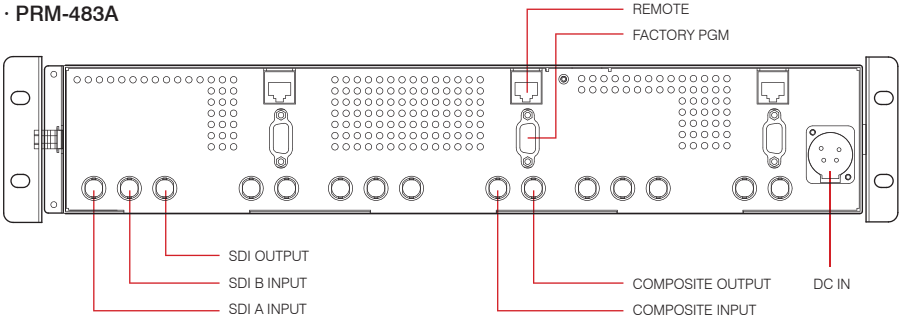
· **[WAVE/VECTOR] button** (*Only in PRM-434A)
Small and Full Waveform/Vector Scope display can be selected in the system menu.
Small display : YCbCr → Y → Cb → Cr → Vector → off
Full display : Y → Cb → Cr → Vector → off
(Use "WAVE/VECTOR" button to control)
- This is available only SDI input.

<REAR>

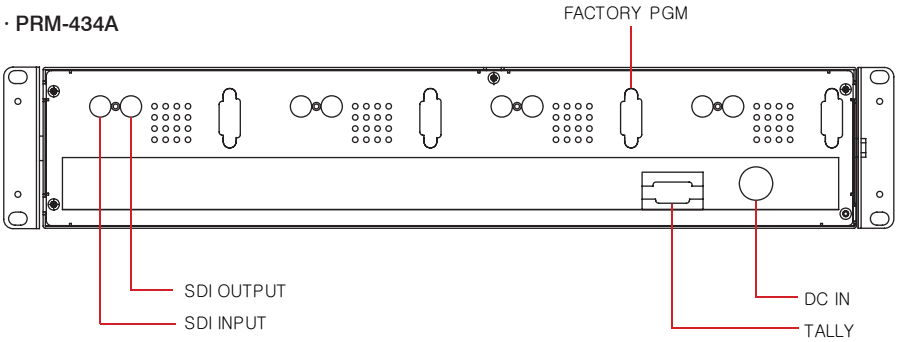
· PRM-503A



· PRM-483A



· PRM-434A



· **REMOTE (RJ-45)**
Connection for remote control of monitor

· **SDI A-IN (BNC)**
SDI A signal input terminal

· **SDI B-IN (BNC)**
SDI B signal input terminal

· **SDI-OUT (BNC)**
SDI signal output terminal

· **COMPISITE INPUT (BNC)**
COMPOSITE signal input terminal

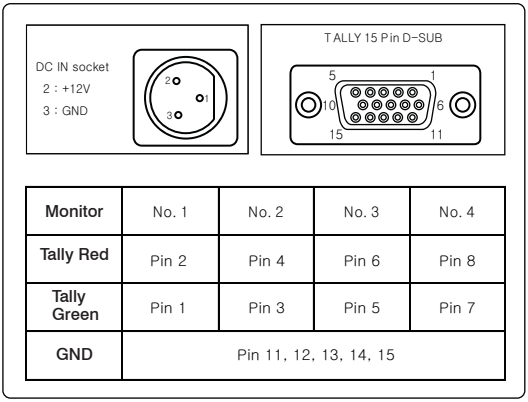
· **COMPOSITE OUTPUT (BNC)**
COMPOSITE signal output terminal

· **FACTORY PGM (15 pins)**
Input connector for FACTORY PGM allowing for firmware update.

· **DC IN (PRM-483A, 503A : XLR, 4 pins / PRM-434A : 3 pins)**
Used to supply DC power 12V

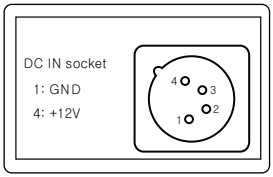
· **TALLY (15 pins * Only in PRM-434A)**
Input connector for Tally Control

PRM-434A



Monitor	No. 1	No. 2	No. 3	No. 4
Tally Red	Pin 2	Pin 4	Pin 6	Pin 8
Tally Green	Pin 1	Pin 3	Pin 5	Pin 7
GND	Pin 11, 12, 13, 14, 15			

PRM-503A/483A



OSD Menu Organization & Adjustment

PRM-503A, 483A

[1] MAIN - Picture

· **Brightness**
This Item controls the degree of brightness.

· **Contrast**
This item controls the contrast ratio.

· **Chroma**
This item controls saturation.

· **Aperture**
This item controls the picture sharpness.

· **Phase**
This item controls Phase value (Hue).
This function is only available in Composite Input.

· **NTSC Setup**
This item sets IRE value in NTSC mode between 0 IRE and 7.5 IRE.
This function is only available in Composite NTSC Input.

[2] MAIN - Color

· **Color Temp**

This item controls Color Temperature with presets of 3200K, 5600K, 6500K, 9300K and User1, User2 & User3 mode.

· **User**

On User Mode, the user may select and control R, G, & B GAIN, BIAS values by using the [UP]/[DOWN]/[ENTER] buttons.

· **Color Copy**

In User Mode, user can copy the preset of 3200K, 5600K, 6500K or 9300K to make the custom adjustment by using the Up/Down/Enter buttons.

[3] MAIN - Marker

· **Marker**

Used to show MARKER on the screen. The type of marker at work may be selected on the other menu.

This feature is disabled when the H/V Delay or Pixel to Pixel mode is activated.

· **Line Marker**

This selects the marker type when the Line Marker is displayed on the screen.
Compatible Line MARKER types are as follows:

MODE	Line Marker CLASS
HD SD 16:9	16:9, 4:3, 4:3 ON AIR, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 & 4:3
SD 4:3	16:9

· **Center Marker**

This item displays the Center Marker on the screen.

· **Safety Area**

This item controls the size of the Safety Area among 80%, 85%, 88%, 90%, 93% and 100%.

· **Marker Mat**

This item darkens the area outside of Line Marker setting area. The degree of the matte is between OFF(0) and (7). The higher the number the darker Line Marker the matte becomes.

· **Marker Color**

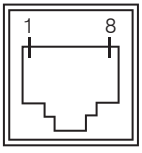
This item controls Marker color. Selectable colors are white, gray, black, red, green and blue.

Line Marker, Center Marker and Safety Area functions are operates only after activating the MARKER function by setting to 'On' the Marker menu.

[4] MAIN - Remote

REMOTE (RJ-45)

1: Pin1
2: Pin2
3: Pin3
4: Pin4
5: Pin5
6: Pin6
7: Pin7
8: GND



· **Pin1 ~ Pin6**

The user may connect RJ-45 jack to the remote terminal on the rear of the unit and designate a function for each pin.

The selectable functions are as follows:

Menu Classification	Selectable Values
PIN 1~6	ANALOG CHANNEL, DIGITAL A CHANNEL, DIGITAL B CHANNEL TALLY RED, TALLY GREEN BLUE ONLY UNDERSCAN ASPECT HVDELAY 16:9 MARKER, 15:9 MARKER, 14:9 MARKER, 13:9 MARKER, 4:3 MARKER, 4:3 ON AIR MARKER, 1.85:1 MARKER, 2.35:1 MARKER, 1.85:1 & 4:3 MARKER CENTER MARKER SAFETY AREA 80%, SAFETY AREA 85%, SAFETY AREA 88%, SAFETY AREA 90%, SAFETY AREA 93%, SAFETY AREA 100%

· **Pin7**

PIN7 is for POWER ON/OFF use only.

[5] MAIN - System [page1]

· **System Default**

User can use the System Default menu to initialize the values of the monitor.

· **WaveForm**

This item controls the Waveform or Vector Scope.

Small display : YCbCr → Y → Cb → Cr → Vector → off

Full display : Y → Cb → Cr → Vector → off

· **WaveForm Size**

This item controls the size of Waveform or Vector Scope.

· **WaveForm Position**

This item controls the position of Waveform or Vector Scope between Right, Center and Left.
In normal display, press Enter button to activate this feature.
This feature can be activated in small size mode only.

· **WaveForm Blending**

This item activates the blending of Waveform or Vector Scope.
This feature activates automatically if WaveForm overlaps with OSD.
This feature can be activated in small size mode only.

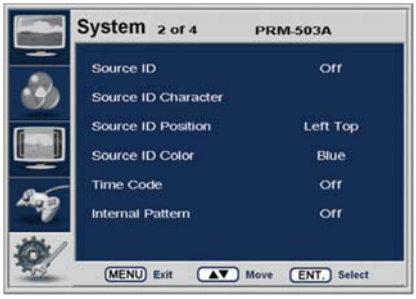
· **Audio Level Meter**

This item controls the position of Audio Level Meter between Horizontal and Vertical.

Waveform Size, Waveform Position and Waveform Blending functions operate only after activated by pressing the WAVE/VECTOR button on the front of the monitor.

Menus or features which are related with WaveForm and Audio enable in SDI input mode only.

[6] MAIN - System [page2]



· **Source ID**

This item is used to activate the Source ID display by selecting BG Type or Char Type.

· **Source ID Character**

This item is used to customize the Source ID display. (A~Z, a~z, 0~9 and special characters)

· **Source ID Position**

This item controls the position of Source ID display. (Top-left, Top-center, Top-right, Bottom-right, Bottom-center, Bottom-left)

· **Source ID Color**

This item is used to change the color of Source ID display by selecting black, white, red, green, blue or yellow.

· **Time Code**

This item activates the Time Code. Select between VITC or LTC.

· **Internal Pattern**

This item is used to activate the internal Pattern of 100% White or 100% Color Bar.

[7] MAIN - System [page3]

· **Back Light**

This item controls the LED backlight setting. The value should be within range between MIN(0) and MAX(25).

· **Blue & Mono**

You may remove R(red) and G(green) from the input signal and play the screen only with B(blue) signal. Menu may be set to 'Mono' to change the screen to MONO mode.
(This mode uses only Luminance value.)

· **Scan**

This item controls to transfer from ZERO SCAN mode to Pixel To Pixel mode.
Mode changes in the order of Zero Scan -> Over Scan -> Pixel To Pixel -> Zero Scan.
In Pixel to Pixel mode, Marker feature and menu are disabled automatically.
In Pixel to Pixel mode, pressing Enter button rotates the position of display.

· **Aspect Ratio**

This item toggles aspect ratio in SD from standard to anamorphic.
SD signal only (Disables automatically in any other signal including No signal)

· **HV Delay**

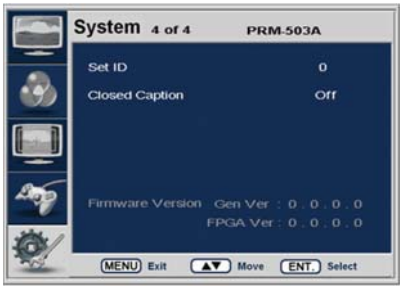
This item activates the HV Delay mode.
In HV Delay mode, Marker feature and menu are disabled automatically.

· **AFD**

This item activates the AFD (Automatic Format Description) mode. Selectable mode are:
Off, Aspect Mode and Marker Mode.
This feature action in only SDI signal included AFD Data.
In Internal Pattern mode, this feature and menu are disabled automatically.

· **Activating Internal Pattern disables Scan, Aspect Ratio and HV Delay.**

[8] MAIN - System [page4]



· **Set ID**

This item controls the Set ID setting for UMD. The value should be within range between 0 and 99.

· **Closed Caption**

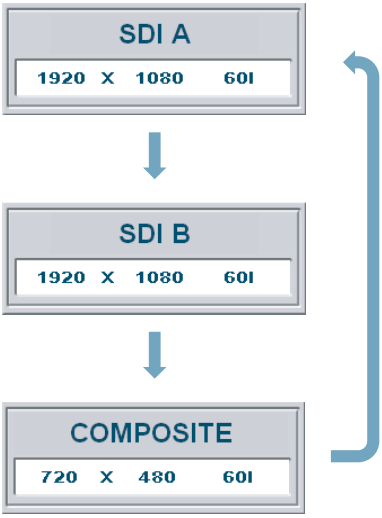
This item controls colsed caption ON/OFF (708, 608[Line21], 608[ANC])

· **Firmware Version**

This item is the firmware version of the system.

· **License**

[9] INPUT Menu



· PRM-503A Series unit is capable of processing varied Input signals Composite and SDI.

· Press [INPUT] button on the front of the monitor and activate the OSD menu as shown on the left.
Select the input you desire by using the [INPUT] Button.

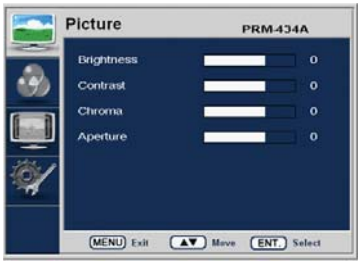
· User can change and select the input mode by using this one simple button.

If no image displays after selecting the desired input mode, check and make sure that your connection is not lose or disconnected.

Input resolution displays on the bottom of the OSD screen.

PRM-434A

[1] MAIN - Picture



· **Brightness**
This Item controls the degree of brightness.

· **Contrast**
This item controls the contrast ratio.

· **Chroma**
This item controls saturation.

· **Aperture**
This item controls the picture sharpness.

[2] MAIN - Color

·**Color Temp**
This item controls Color Temperature with presets of 3200K, 5600K, 6500K, 9300K, and User1, User2 & User3 mode.

·**User**
On User Mode, the user may select and control R, G, & B GAIN, BIAS values by using the [UP]/[DOWN]/[ENTER] buttons.

·**Color Copy**
In User mode, user can copy the presets of 3200K, 5600K, 6500K or 9300K to make the custom adjustment by using the [UP]/[DOWN]/[ENTER] buttons.

[3] MAIN - Marker

·Marker

Used to show MARKER on the screen. The type of marker at work may be selected on the other menu.

This function is not available in Internal Pattern, Wave Form/Vector Scope full size, Pixel to Pixel, HV Delay, and AFD Modes.

· Line Marker

This selects the marker type when the MARKER is displayed on the screen.

Compatible MARKER types are as follows:

MODE	MARKER CLASS
HD / SD 16:9	16:9, 4:3, 4:3 ON AIR, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 & 4:3
SD 4:3	16:9

· Center Marker

This item displays the CENTER MARKER on the screen.

· Safety Area

This item controls the size of the SAFETY AREA among 80%, 85%, 88%, 90%, 93%, and 100%.

· Marker Mat

This item darkens the area outside of MARKER setting area. The degree of the matte is between OFF(0) and (7).

The higher the value, the darker MARKER the matte becomes.

· Marker Color

This item controls Marker color. Selectable colors are white, gray, black, red, green, and blue.

Line Marker, Center Marker, and Safety Area functions operate only after activating the MARKER function to the 'On' position in the Marker Menu.

[4] MAIN - System [page1]

· **System Default**

User can use the System Default Menu to initialize the values of the monitor.

· **WaveForm Size**

This item controls the size of Waveform or Vector Scope.

· **WaveForm Position**

This item controls the position of Waveform or Vector Scope between Right, Center, and Left.
In normal display, press Enter button to activate this feature in the WaveForm.
This feature can be activated in small size mode only.

· **WaveForm Blending**

This item activates the opacity of Waveform or Vector Scope.
This feature activates automatically if the Waveform overlaps with OSD.
This feature can be activated in small size mode only.

· **Audio Level Meter**

This item controls the position of audiolevel meter between Horizontal and Vertical.

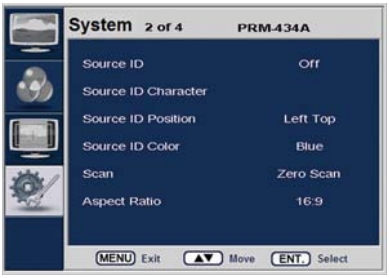
Waveform Size, Waveform Position and Waveform Blending functions are operate only after activated by pressing the WAVE/VECTOR button on the front of the monitor.

Menus or features which are related with WaveForm and Audio enable in SDI input mode only.

· **Time Code**

This item activates the Time Code. Select between VITC or LTC.

[5] MAIN - System[page2]



· **Source ID**
This item is used to activate the Source ID display by selecting Manual(BG), Manual(Char), UMD(Small), UMD(Medium), or UMD(Large).
-This function is only available in same Set ID with UMD controller's.

· **Source ID Character**
This item is used to customize the Source ID display. (A~Z, a~z, 0~9, and special characters)
-This function is only available if the Source ID is selected on Manual.

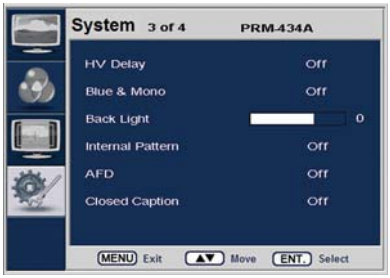
· **Source ID Position**
This item controls the position of Source ID display. (Top-Left, Top-Center, Top-Right, Bottom-Right, Bottom-Center or Botttom-Left)
-This function is only available if the Source ID is selected on Manual.

· **Source ID Color**
This item is used to change the color of Source ID display by selecting blue, white, red, green, black, or yellow.

· **Scan**
This item controls to transition from OVER SCAN mode to ZERO SCAN mode.
Mode changes in the order of Zero Scan -> Over Scan -> Pixel To Pixel -> Zero Scan.
-In Pixel To Pixel mode, Marker Feature and Menu are disabled automatically.
-In Pixel To Pixel mode, pressing Enter button rotates the position of display.

· **Aspect Ratio**
This item toggles aspect ratio in SD from standard to anamorphic.
-SD Signal only (Disables automatically in any other signal including No signal)
-This function is not available in AFD mode.

[6] MAIN - System[page3]



· **HV Delay**
This item activates the HV Delay mode.
-In HV Delay mode, Marker feature, and Menu disabled automatically.
-Activating Internal Pattern disables Scan, Aspect Ratio, and HV Delay modes.

· **Blue & Mono**
You may remove R(red) and G(green) from the input signal and show the image only with B(blue) signal. Menu may be set to 'Mono' to change the screen to MONO mode (This mode uses only the Luminance value).

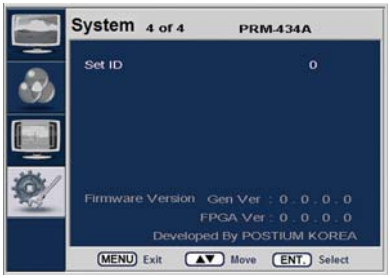
· **Back Light**
This item controls the LED backlight setting. The value should be within ranges between MIN(0) and MAX(25).

· **Internal Pattern**
This item is used to activate the Internal Pattern of 100% White or 100% Color Bar.

· **AFD (Automatic Format Description)**
This item activates the AFD mode. Selectable mode are Off, Aspect Mode and Marker mode.
-This feature action in only SDI signal included AFD Data.
-In Internal Pattern mode, this feature and menu are disabled automatically.

· **Closed Caption**
This item controls closed caption ON/OFF (708, 608[Line21], 608[ANC]).

[7] MAIN - System[page4]


System 4 of 4
PRM-434A
Set ID
0
Firmware Version Gen Ver : 0 . 0 . 0 . 0
FPGA Ver : 0 . 0 . 0 . 0
Developed By POSTIUM KOREA
MENU Exit
▲▼ Move
ENT. Select

· **Set ID**

This item controls the Set ID setting for UMD. The value should be within range between 0 and 99.

· **Firmware Version**

This item is the firmware version of system.

· **License**

Other Functions

[1] PIXEL TO PIXEL

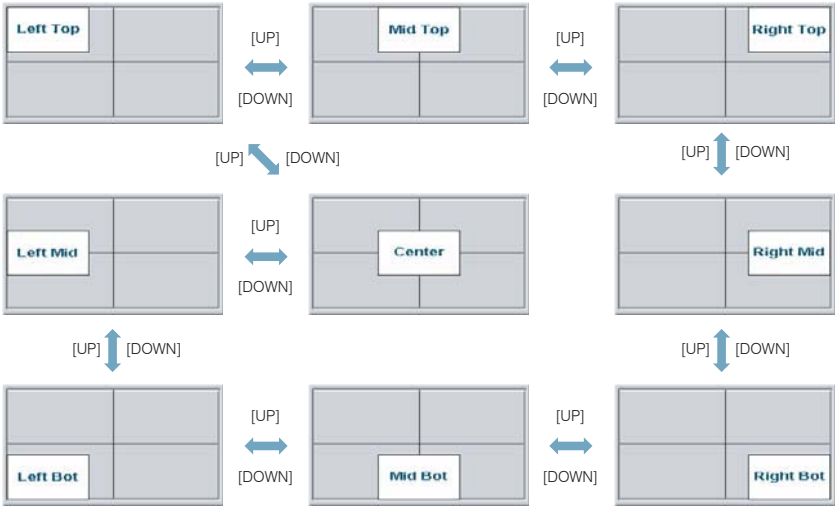
· PRM Series monitor's Pixel to Pixel mode displays input signal without scaling.

· To activate the [Pixel to Pixel] mode, access the Scan menu in Syetem menu and select [Pixel to Pixel].

· In the [Pixel To Pixel] mode, use the [UP]/[DOWN] buttons to toggle between 1:1 scan sections

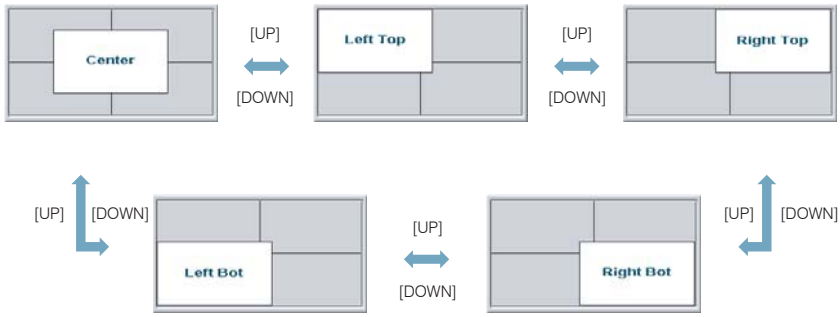
Input	Action Button	Available Modes
HD 1080i/1080p	[UP] (Clockwise)	Center -> Left Top ->Mid Top -> Right Top -> Right Mid -> Right Bottom -> Mid Bottom -> Left Bottom -> Left Mid -> Center -> ….
	[DOWN] (Opposite)	Center -> Left Mid -> Left Bottom -> Mid Bottom -> Right Bottom -> Right Mid -> Right Top -> Mid Top -> Left Top -> Center -> …

- OSD change



Input	Action Button	Available Modes
HD 720p	[UP] (Clockwise)	Center -> Left Top -> Right Top -> Right Bottom -> left Bottom -> Center -> …
	[DOWN] (Opposite)	Center -> Left Bottom -> Right Bottom -> Right Top -> Left Top -> Center -> ….

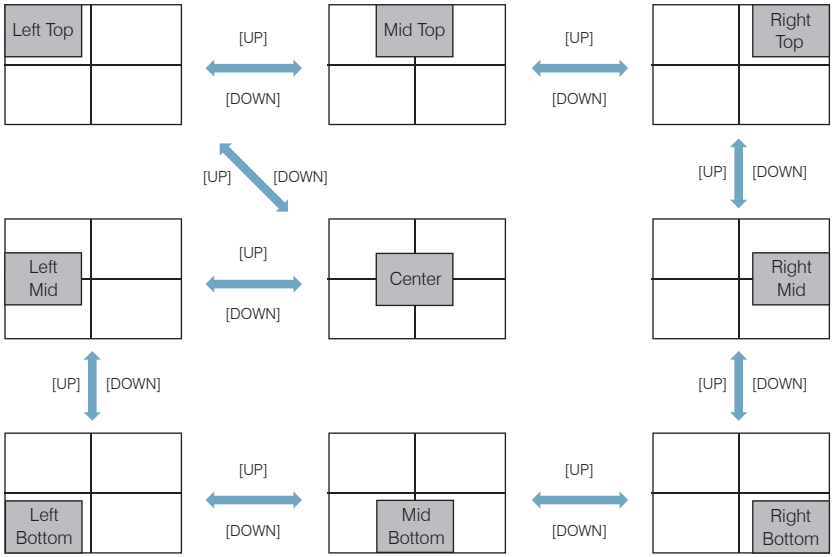
- OSD change



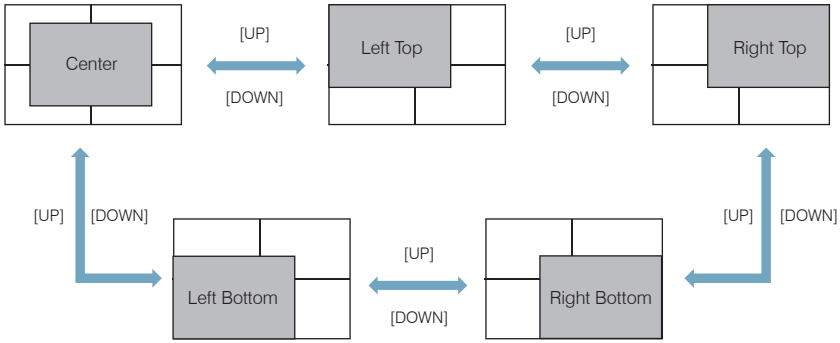
Pixel To Pixel mode is not available in Graphic mode.

Pixel To Pixel mode is available in SD mode, but 1:1 sections cannot be rotated through as with HD sources.

· Positions in HD Signal 1080i/1080p mode



· Position in HD Signal 720p mode

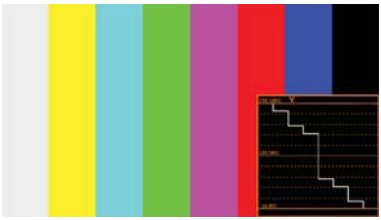


[2] Waveform

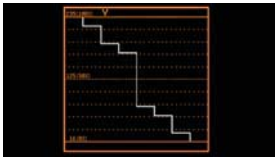
Small display : YCbCr → Y → Cb → Cr → Vector → off

Full display : Y → Cb → Cr → Vector → off

· Waveform

OFF	Waveform
	

· Waveform Size

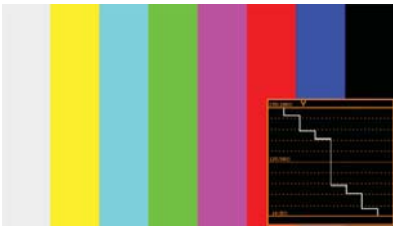
Small (Y)	Small (Cb, Cr, Y)	Full (Y)
		

#When pushing the Input button (SDI-A ,SDI-B, Analog), Waveform full mode is changed to small mode automatically.

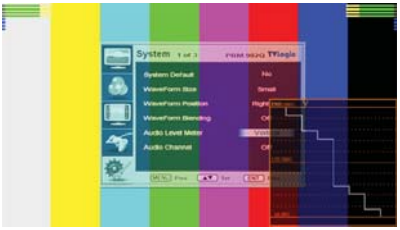
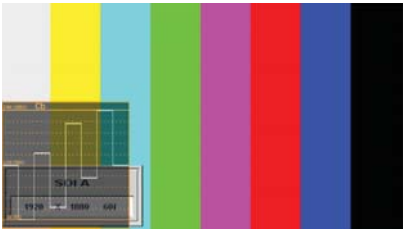
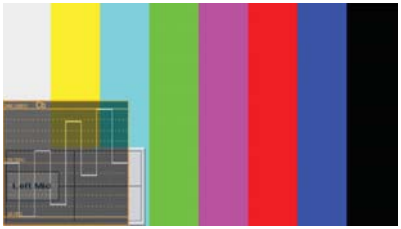
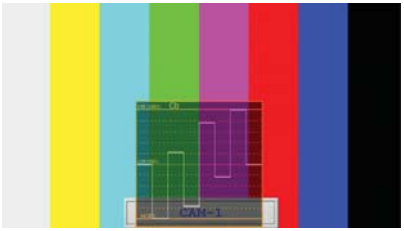
· Waveform Position

Left	Center	Right

· Waveform Blending

OFF	ON
	

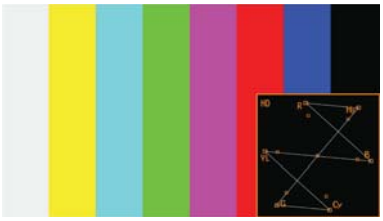
· Exception: If overlaps with OSD, blending activates automatically.

Main OSD	Info Window
	
Pixel To Pixel	**Source ID**
	

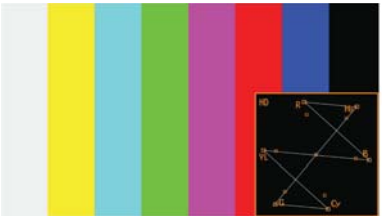
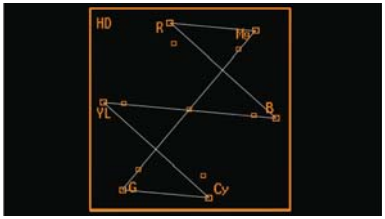
This function is only available with SDI Input.

[3] Vector Scope

·Vector Scope

Vector Scope OFF	Vector Scope ON
	

· Vector Scope Size

Small	Full
	

Vector Scope Position / Blending
: Refer to the Waveform position (P.18) and Waveform Blending (P.19)

This function is only available with SDI Input.

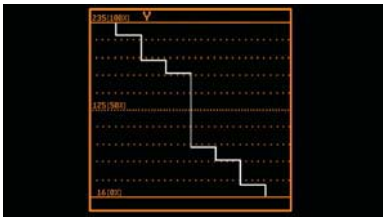
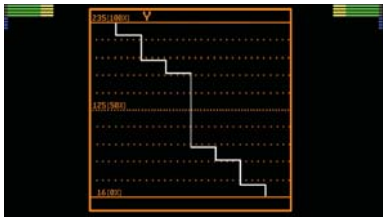
[4] Audio Level Meter

· Audio Level Meter

OFF	ON
	Horizontal Vertical

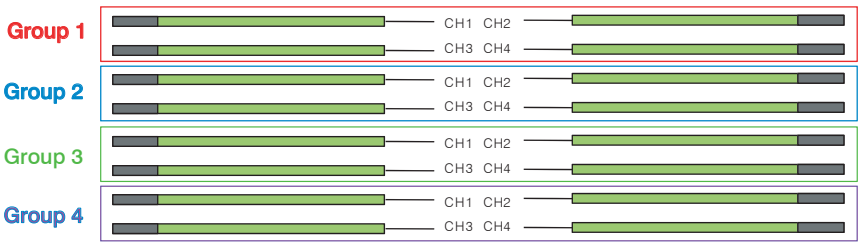
· Avoid Overlap

In full size Waveform mode, WaveForm shifts down to avoid the overlap with Audio Level Meter.

Audio Level Meter OFF	Audio Level Meter ON
	

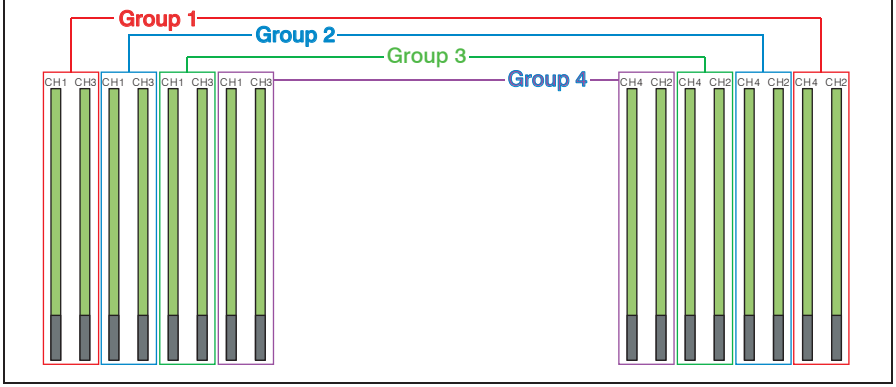
· Group & Channel

Group / Channel (Horizontal)

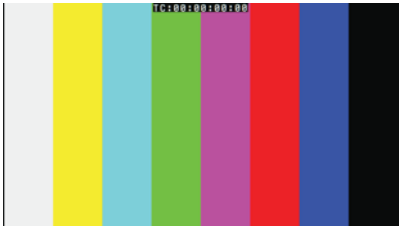
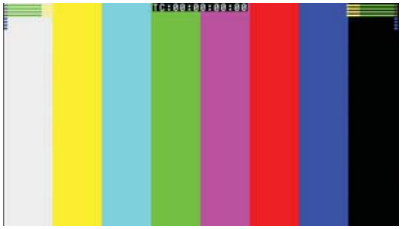
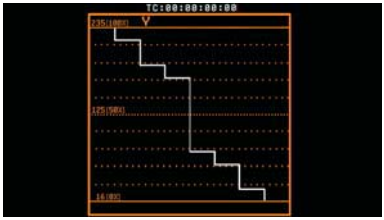


This function is only available with SDI Input.

Group / Channel (Vertical)



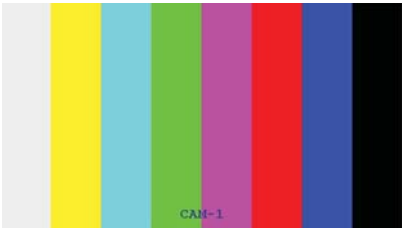
[5] Time Code

Time Code	Time Code + Audio Level Meter
	
Time Code + Waveform Full Size	**Time Code + SourceID + Waveform + Audio Level Meter**
	

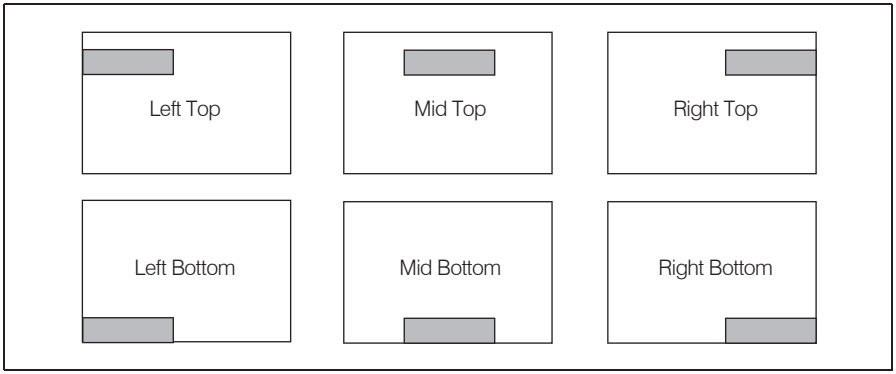
This function is only available with SDI Input.

[6] Source ID

· Source ID

BG Type	Char Type
	

· Source ID Position



· Source ID Color

Black	White	Red	Green	Blue	Yellow
CAM-1	CAM-1	CAM-1	CAM-1	CAM-1	CAM-1

PRM-503A, 483A System Default Values

MEMU		Value
Picture	Brightness	0
	Contrast	0
	Chroma	0
	Aperture	0
	Phase	0
	NTSC Setup	7.5 IRE
Color	Color Temp	6500K
	Gain Red (1/2/3)	0
	Gain Green (1/2/3)	0
	Gain Blue (1/2/3)	0
	Bias Red (1/2/3)	0
	Bias Green (1/2/3)	0
	Bias Blue (1/2/3)	0
	Color Copy	6500K
Marker	Marker	Off
	Line Marker	Off
	Center Marker	Off
	Safety Area	Off
	Maker Mat	Off
	Marker Color	White
Remote	PIN 1	Analog Channel
	PIN 2	Digital A Channel
	PIN 3	Digital B Channel
	PIN 4	Tally R
	PIN 5	Tally G
	PIN 6	Blue Only
System [Page1]	System Default	No
	Waveform	Off
	Waveform Size	Small
	Waveform Position	Right Bot
	Waveform Blending	Off
	Audio Level Meter	Off
System [Page2]	Source ID	Off
	Source ID Character	C A M – 1
	Source ID Position	Left Top
	Source ID Color	Black
	Time Code	Off
	Internal Pattern	Off
System [Page3]	Back Light	20
	Blue & Mono	Off
	Scan	Zero Scan
	Aspect Ratio	16:9
	HV Delay	Off
	AFD	Off
System [Page4]	Set ID	0
	Closed Caption	Off

PRM-434A System Default Value

MEMU		Value
Picture	Brightness	0
	Contrast	0
	Chroma	0
	Aperture	0
Color	Color Temp	6500K
	Gain Red (1/2/3)	0
	Gain Green (1/2/3)	0
	Gain Blue (1/2/3)	0
	Bias Red (1/2/3)	0
	Bias Green (1/2/3)	0
	Bias Blue (1/2/3)	0
	Color Copy	6500K
Marker	Marker	Off
	Line Marker	Off
	Center Marker	Off
	Safety Area	Off
	Maker Mat	Off
	Marker Color	White
System [Page1]	System Default	No
	Waveform	Off
	Waveform Size	Small
	Waveform Position	Right Bot
	Waveform Blending	Off
	Audio Level Meter	Off
	Time Code	Off
System [Page2]	Source ID	Off
	Source ID Character	C A M – 1
	Source ID Position	Left Top
	Source ID Color	Blue
	Scan	Zero Scan
	Aspect Ratio	16:9
System [Page3]	HV Delay	Off
	Blue & Mono	Off
	Back Light	10
	Internal Pattern	Off
	AFD	Off
	Closed Caption	Off
System [Page4]	Set ID	0

Product Specifications

PRM-503A

Input (1 Screen)	1 x BNC	Composite Input
	2 x BNC	SDI Input
Output (1 Screen)	1 x BNC	Composite Output (Internal Buffer Output)
	1 x BNC	SDI Output (Active Through Out)
Input Signal	Analog	Composite (1.0Vpp with Sync)
	HD-SDI	1.485 Gbps
	SD-SDI	270 Mbps
SDI Input Signal Formats	SMPTE-274	1080i (60/59.94/50)
		1080P (30/29.97/25/24/24sF/23.98/23.98sF)
	SMPTE-296M	720P (23.98/24/25/29.97/30/50/59.94/60)
	SMPTE-260M	1035i (60/59.94)
	SMPTE-125M	480i (59.94)
	ITU-R.BT.656	576i (50)
	2K Format	2048 x 1080 (23.98psf/24psf/23.98p/24p)
LCD	Size	5.0 inch
	Resolution	800 x 480 (15 : 9)
	Pixel Pitch	0.13(H) x 0.13(V) mm
	Color	16.7M (True), 24bit
	Viewing Angle	H : 130 degrees
		V : 130 degrees
	Luminance of White	300cd/m^2 (center)
	Contrast	600 : 1
	Display Area	108.0 x 64.8 mm
Power		12V DC, 2.1A
Power Consumption (Approx.)		26 Watts
Operating Temperature		0℃ to 40℃ (32°F to 104°F)
Storage Temperature		-30℃ to 50℃ (-22°F to 122°F)
Main Body Dimensions (mm/inch)		438 x 87 x 68.2 (17.24 x 3.425 x 2.677)
Main Body Dimensions (With Rack Bracket)		497 x 87 x 68.2 (18.8 x 3.11 x 2.64)
Weight		2.5kg / 5.5 lb
Accessory		DC Power Adapter

* Above specifications may be changed without notice

PRM-483A

Input (1 Screen)	1 x BNC	SDI 2 Channel Input
	2 x BNC	Composite Input
Output (1 Screen)	1 x BNC	SDI Channel (Active Through Out)
	1 x BNC	Composite Output (Internal Buffer Output)
Input Signal	Analog	Composite (1.0Vpp with Sync)
	HD-SDI	1.485 Gbps
	SD-SDI	270 Mbps
SDI Input Signal Formats	SMPTE-274	1080i (60/59.94/50)
		1080P (30/29.97/25/24/24sF/23.98/23.98sF)
	SMPTE-296M	720P (23.98/24/25/29.97/30/50/59.94/60)
	SMPTE-260M	1035i (60/59.94)
	SMPTE-125M	480i (59.94)
	ITU-R.BT.656	576i (50)
	2K Format	2048 x 1080 (23.98psf/24psf/23.98p/24p)
LCD	Size	4.8 inch
	Resolution	800 x 480 (15 : 9)
	Pixel Pitch	0.13(H) x 0.13(V) mm
	Color	16.7M (True), 24bit
	Viewing Angle	H : 130 degrees
		V : 110 degrees
	Luminance of White	350cd/m^2 (center)
	Contrast	300 : 1
	Display Area	103.8 x 62.28 mm
Power		12V DC, 2.2A
Power Consumption (Approx.)		27 Watts
Operating Temperature		0℃ to 40℃ (32°F to 104°F)
Storage Temperature		-30℃ to 50℃ (-22°F to 122°F)
Main Body Dimensions (mm/inch)		438 x 87 x 69.7 (17.24 x 3.425 x 2.744)
Main Body Dimensions (With Rack Bracket)		480 x 87 x 69.7 (18.8 x 3.425 x 2.744)
Weight		2.1Kg / 4.62 lb
Accessory		DC Power Adapter

Above specifications may be changed without notice.

PRM-434A

Input (1 Screen)	1 x BNC	SDI Input
Output (1 Screen)	1 x BNC	SDI Output (Active Through Out)
Input Signal	Analog	Composite (1.0Vpp with Sync)
	HD-SDI	1.485 Gbps
	SD-SDI	270 Mbps
SDI Input Signal Formats	SMPTE-274	1080i (60/59.94/50)
		1080P (30/29.97/25/24/24sF/23.98/23.98sF)
	SMPTE-296M	720P (23.98/24/25/29.97/30/50/59.94/60)
	SMPTE-260M	1035i (60/59.94)
	SMPTE-125M	480i (59.94)
	ITU-R.BT.656	576i (50)
	2K Format	2048 x 1080 (23.98psf/24psf/23.98p/24p)
LCD	Size	4.3 inch
	Resolution	800 x 480 (15 : 9)
	Pixel Pitch	0.11625 (H) X 0.11625 (V) mm
	Color	16.7M (True), 24bit
	Viewing Angle	H : 130 degrees
		V : 110 degrees
	Luminance of White	200cd/m^2 (center)
	Contrast	300 : 1
	Display Area	93.0 x 55.8 mm
Power		12V DC, 2.6A
Power Consumption (Approx.)		32 Watts(DC)
Operating Temperature		0℃ to 40℃ (32°F to 104°F)
Storage Temperature		-30℃ to 50℃ (-22°F to 122°F)
Main Body Dimensions (mm/inch)		438 x 87 x 80 (17.24 x 3.425 x 3.149)
Main Body Dimensions (With Rack Bracket)		479 x 87 x 80 (18.8 x 3.425 x 3.149)
Weight		2.5Kg / 5.5 lb
Accessory		DC Power Adapter

Above specifications may be changed without notice.

MEMO

MEMO

LCD Rack Monitor

PRM Series

User's Manual

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Tel : +82-2-354-6055 Fax : +82-2-354-6056